What is claimed is:

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- 1. A temperature measuring device for measuring the temperature of a moving filament, comprising:
- a body having an inlet and an outlet for entry and exit of the moving filament; and a baffle preceding the inlet, the baffle including at least one fin and at least one aperture adapted to reduce a fluid film associated with the moving filament.
- 2. The temperature measuring device of claim 1, further including a bore disposed between the inlet and the outlet of the baffle for receiving the moving filament.
- 3. The temperature measuring device of claim 1, further including a groove disposed in the baffle for inserting and removing the filament from the baffle.
 - 4. The temperature measuring device of claim 1, further including a guide disposed in the baffle for guiding the moving filament.
 - 5. The temperature measuring device of claim 4, wherein the guide is disposed along a bore in the baffle.
 - 6. The temperature measuring device of claim 1, wherein the baffle is mounted on the body near the inlet of the body.
 - 7. The temperature measuring device of claim 1, wherein the at least one aperture provides a pathway to an exterior of the baffle.
 - 8. The temperature measuring device of claim 1, wherein the at least one aperture is an area disposed between a first fin and a second fin.
 - 9. The temperature measuring device of claim 1, wherein the baffle includes a first portion that is moveable relative to a second portion.
 - 10. The temperature measuring device of claim 9, wherein the second portion of the baffle includes a lid that at least partially encloses the filament in the baffle.
- The temperature measuring device of claim 9, wherein the first and the second portions of the baffle each include at least one fin and at least one aperture.

- 12. The temperature measuring device of claim 1, wherein the baffle is heated, thereby preheating air that may enter the body of the temperature measuring device.
- 13. The temperature measuring device of claim 1, wherein the at least one aperture in the baffle does not open to a top of the baffle.
- 14. A baffle for use with a temperature measuring device for measuring the temperature of a moving filament, comprising:

an inlet and an outlet for entry and exit of the moving filament;

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a bore disposed between the inlet and the outlet for receiving the moving filament;

at least one fin disposed along the bore, wherein the at least one fin is oriented generally perpendicular to the bore; and

at least one aperture disposed along the bore, wherein the at least one aperture is oriented generally perpendicular to the bore.

- 15. The baffle of claim 14, further including a groove disposed along the bore for inserting and removing the filament from the baffle.
- 15 16. The baffle of claim 14, further including a guide disposed near the bore for guiding the moving filament.
 - 17. The baffle of claim 14, wherein the baffle is mounted to a temperature measuring device.
- 18. The baffle of claim 14, wherein the at least one aperture provides a pathway to 20 an exterior of the baffle.
 - 19. The baffle of claim 14, wherein the at least one aperture is an area disposed between a first fin and a second fin.
 - 20. The baffle of claim 14, wherein the baffle includes a first portion that is moveable relative to a second portion.
- 25 21. The baffle of claim 20, wherein the second portion includes a lid that at least partially encloses the filament in the baffle.

- 22. The baffle of claim 20, wherein the first and the second portions of the baffle each include at least one fin and at least one aperture.
- 23. The baffle of claim 14, wherein the baffle is heated, thereby preheating air that may enter the body of the temperature measuring device.
- The baffle of claim 14, wherein the at least one aperture in the baffle does not open to a top of the baffle.
 - 25. A method of measuring the temperature of a moving filament, comprising: moving the filament through a baffle having at least one fin and at least one aperture; reducing a fluid film associated with the moving filament;
 - moving the filament through a temperature measuring device having a body including an inlet and an outlet for entry and exit of the moving filament; and

measuring the temperature of the moving filament with the temperature measuring device.

- 26. The method of measuring the temperature of a moving filament of claim 25, further including guiding the filament with a filament guide.
 - 27. The method of measuring the temperature of a moving filament of claim 25, further including moving a first portion of the baffle relative to a second portion of the baffle, thereby at least partially enclosing the filament in the baffle.
- 28. The method of measuring the temperature of a moving filament of claim 25, further including inserting the filament into the baffle.
 - 29. The method of measuring the temperature of a moving filament of claim 25, further including heating the baffle.

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